

# GSD8-240-10N4X-U Cut Sheet



IronHorse GSD8 series DC digital drive, 120/240 VAC, 1-phase, 1hp at 90 VDC and 2hp at 180 VDC, 10A, RS-232/RS-485, ASCII, NEMA 4X, wall mount, field-install reverse, high-speed pulse or serial control input, SCR output. Requires encoder.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/GSD8-240-10N4X-U>

## Technical Specifications

<b>Brand</b>	IronHorse
<b>Item</b>	Drive
<b>Controller Type</b>	Digital
<b>Series</b>	GSD8
<b>Voltage Type</b>	DC
<b>Number of Input Phases</b>	1
<b>Nominal Drive Input Voltage</b>	120/240 VAC
<b>Nominal Drive Output Voltage</b>	Output up to 90/180 VDC
<b>Horsepower by Voltage</b>	1hp at 90 VDC and 2hp at 180 VDC
<b>Amperage Rating</b>	10A
<b>Variable Torque Amperage Rating</b>	150 mA - 10A
<b>Control Mode</b>	DC
<b>Safe Torque Off (STO)</b>	No
<b>Temperature Rating</b>	-10 to 45 deg C
<b>Enclosure Type</b>	NEMA 4X
<b>IP Rating</b>	IP67
<b>Mounting</b>	Wall
<b>Communication Port and Connection Type(s)</b>	(1) RS-232/RS-485 (RJ45) port(s)

<b>Port Protocol(s)</b>	ASCII
<b>Port Speed(s)</b>	Up to 57.6k baud
<b>Input Signal</b>	High-speed pulse or serial control input
<b>Input Voltage Signal Range</b>	0-5 VDC, 0-24 VDC
<b>Maximum Switching Frequency</b>	10 kHz
<b>Relay Configuration</b>	(1) Form C (SPDT) relay
<b>On/Off Switch</b>	Yes
<b>Shunt Field Supply</b>	No
<b>Output Type</b>	SCR output
<b>Reverse Capability</b>	Field-install
<b>Output Frequency Range</b>	DC
<b>Connector Type</b>	Screw terminals
<b>SCCR Rating</b>	SCCR exempt
<b>For Use With</b>	Permanent magnet DC, shunt wound DC and universal motors
<b>Includes</b>	Factory-installed character display and auto/off/manual selector switch
<b>Requires</b>	Encoder

## Agency Approvals

<b>UL Listed File #</b>	E333109
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	None
<b>CSA File #</b>	None
<b>RoHS Status</b>	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>